



CIB W117 Case Study The Value of Participation with the CIB



Introduction

In 2009, Professor Dean Kashiwagi integrated the Performance Based Studies Research Group (PBSRG) at Arizona State University and W117 research efforts into one research center. PBSRG became an internet entity at pbsrg.com. In 2018, Dr. Dean moved the PBSRG/W117 research from the University setting to the private industry, finding a private sponsor of the research: [KSM Inc.](#) this coincided with his retirement from ASU in 2017, remaining the Director of the PBSRG and becoming an adjunct professor at the Project Management dBA Program at the SKEMA Business School in Lille, France. He also continued to be an External Examiner (EE) at the progressive Project Master's Program at UTAR, in Kuala Lumpur, Malaysia.

The PBSRG/W117 research history has been \$17.6M research funding, 2,000 case study tests delivering \$6.6B of services in 10 [U.S., Canada, Finland, Netherlands, Poland, Norway, Botswana, Democratic Republic of the Congo (DRC), Malaysia, Saudi Arabia] different countries. The tests were documented by 350 refereed journal papers, conference presentations, and books.

The strength of W117 is that the creator of the Best Value Approach (BVA) technology is Dr. Dean. Dr. Dean and W117 is the worldwide expert in the utilization of the BVA technology. The technology is the most licensed intellectual property (IP) in the CIB working commissions. The IP is the most licensed technology developed at Arizona State University (61 licenses over 20 years).

The value of the BVA technology includes:

1. Stakeholders can do ten times the amount of work.
2. Reduces the cost of projects from 5 to 50%.

3. Uses the concepts of the information worker, automation and information systems to increase the value of the supply chain.
4. BVA can be used by developing and underdeveloped countries to leapfrog traditional approaches, saving time and cost to increase value of their supply chains.

W117 uses both consultation and research activity. W117's strength is running research tests and documenting the research test results. The W117 emphasis is on simplification, identifying and utilizing expertise, and minimizing all forms of management, direction and control (MDC) of any activities in the supply chain.

W117 is determined to get the research results "on the street" as quickly as possible so industry and academic researchers could utilize the results. To accomplish this, W117 used retired Professor Kashiwagi's papers from their own CIB journal, transferred all published documents to [ResearchGate](#), an open platform for journal publications.

The results were staggering. The first reference point was June 2017 (Dr. Dean's retirement date). The metrics are below from June 2017 to June 2019 (two-year analysis):

	2017	2019	Change
<i>Papers Shared</i>	76	132	74%
<i># of Reads</i>	5K	24.6K	392%
<i># of Reads per Month</i>	278	1.4K	504%
<i># of Citations</i>	252	387	78%



We encourage all academic researchers to utilize CIB journals and Research Gate to get our research results to the community.

We welcome all researchers attempting to optimize the construction supply chain, optimize performance in underdeveloped or developing countries to join forces with CIB W117 (free if you are already a CIB member).

Contact

For additional information about CIB Commission W117 contact the Coordinator:



Professor Dean T. Kashiwagi
P.E., PhD, Fulbright Scholar, IFMA
Fellow
W117 Co-coordinator
DeanKashiwagi@ksm-inc.com

Availability

The W117 Journal and Roadmap is electronically available for free [here](#).

W117 encourages young researchers to innovate and look "outside the box". W117 is encouraging all young academic researchers to be exposed to the Information Worker approach. The CIB is the most innovative and powerful organization among all the research organizations for visionaries and change agents. It allows the freedom necessary for innovative and disruptive changes in the industry to occur.

As the co-coordinator of the W117 workplan, CIB coordinator of the year in 2017, and 26 years of activity in the CIB, I strongly encourage all young researchers to attend the 2019 CIB World Conference.

You can find more information on the activities of the CIB Commission W117 [here](#).

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